

IFW



ATTY. DKT. 28950.0002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. 10/530,889

In re the Application of

Confirmation No. 3235

M. YAMAGUCHI et al

Group Art Unit 1753

Filed: April 11, 2005

For: POSITIVE ELECTRODE ACTIVE MATERIAL FOR BATTERY, METHOD  
FOR PREPARING ELECTROLYTIC MANGANESE DIOXIDE, AND BATTERY

**REQUEST FOR ISSUANCE OF CORRECTED FILING RECEIPT**

Commissioner for Patents  
U.S. Patent & Trademark Office  
Customer Window  
Randolph Building  
501 Dulany Street  
Alexandria, VA 22314

Sir:

The official Filing Receipt contains an error in the spelling of the third inventor's given name through mistake by the Office. Thus, it is respectfully requested that a corrected Filing Receipt be issued to include the correct spelling of the third inventor's name as shown in red on the attached copy of the Filing Receipt, as follows:

Change "Oichi Numata" to --Koichi Numata--.

Respectfully submitted,

STEPTOE & JOHNSON LLP

A handwritten signature in black ink, appearing to read "Roger W. Parkhurst".

Roger W. Parkhurst  
Reg. No. 25,177

1330 Connecticut Ave., NW  
Washington, D.C. 20036  
Tel: 202-429-3000



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1-150  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/530,889	04/11/2005	1753	1030	28950.0002	1	16	1

## CONFIRMATION NO. 3235

27890  
 STEPTOE & JOHNSON LLP  
 1330 CONNECTICUT AVENUE, N.W.  
 WASHINGTON, DC 20036

## FILING RECEIPT



\*OC000000016385330\*

Date Mailed: 07/06/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Munetoshi Yamaguchi, Hiroshima, JAPAN;  
 Yasuhiro Ochi, Hiroshima, JAPAN;  
~~Ochi~~ Numata, Hiroshima, JAPAN;  
 Shigeo Hirayama, Hiroshima, JAPAN;

*Koichi*

**Power of Attorney:** The patent practitioners associated with Customer Number 27890.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/02640 03/06/2003

## Foreign Applications

JAPAN 2002-299301 10/11/2002

**Projected Publication Date:** 10/06/2005

**Non-Publication Request:** No

**Early Publication Request:** No

## Title

Positive plate active material forcell, method for producing electrolytic manganese dioxide, and



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FOR PREPARING ELECTROLYTIC MANGANESE DIOXIDE, AND BATTERY

**REQUEST FOR CORRECTED PUBLICATION UNDER 37 CFR 1.221(b)**

Commissioner for Patents  
U.S. Patent & Trademark Office  
Customer Window  
Randolph Building  
501 Dulany Street  
Alexandria, VA 22314

Sir:

The spelling of the third inventor's given name in Patent Publication No. US-2005-0233215-A1 is in error through the mistake of the Office, which error is apparent from the Office records. The spelling of the third inventor's name should be KOICHI NUMATA.

In view of the foregoing, it is respectfully requested that this request for a corrected or revised patent application publication be granted.

Respectfully submitted,

STEPTOE & JOHNSON LLP

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(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2005/0233215 A1  
Yamaguchi et al. (43) Pub. Date: Oct. 20, 2005

(54) POSITIVE PLATE ACTIVE MATERIAL  
FORCELL, METHOD FOR PRODUCING  
ELECTROLYTIC MANGANESE DIOXIDE,  
AND CELL

(30) Foreign Application Priority Data

Oct. 11, 2002 (JP) ..... 2002-299301

Publication Classification

(76) Inventors: Munetoshi Yamaguchi, Hiroshima (JP);  
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Numata, Hiroshima (JP); Shigeo *Koichi*  
Hirayama, Hiroshima (JP)

(51) Int. Cl.<sup>7</sup> ..... H01M 4/50; C01G 45/02;  
C25B 1/21

(52) U.S. Cl. ..... 429/224; 423/605; 205/539

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(57) ABSTRACT

(21) Appl. No.: 10/530,889

A positive electrode active material for battery consisting of  
electrolytic manganese dioxide and a battery wherein this  
positive electrode active material is used, this electrolytic  
manganese dioxide being such that, when it is heated and the  
weight loss thereof is measured, the weight loss at 200° C.  
to 400° C. is not less than 2.7 wt %. The amount of weight  
lost in this temperature range is proportional to the quantity  
of bound waters inside the electrolytic manganese dioxide.

(22) PCT Filed: Mar. 6, 2003

(86) PCT No.: PCT/JP03/02640

